

Title (en)

FILTRATION MEDIA PACK WITH FLUTED AND FACING SHEET HAVING PROTRUSIONS

Title (de)

RILLENFILTERKONSTRUKTION MIT BEULEN IM GEWELLTEN FILTERMEDIUM

Title (fr)

ENSEMBLE DE SUPPORTS DE FILTRATION AVEC FEUILLE RAINURÉE ET FEUILLE DE PAREMENT COMPRENANT DES BOSES

Publication

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Application

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Abstract (en)

[origin: WO2015105887A1] A filtration media pack including a plurality of layers of filter media is disclosed. The media pack includes fluted sheets and a facing sheet, with a plurality of flutes extending between the fluted sheets and the facing sheets. In an embodiment, the fluted sheet includes a plurality of protrusions that contact the facing sheet.

IPC 8 full level

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RU 2678678 C2 20190130; US 10569210 B2 20200225; US 11511224 B2 20221129; US 12017176 B2 20240625; US 2015211452 A1 20150730;
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